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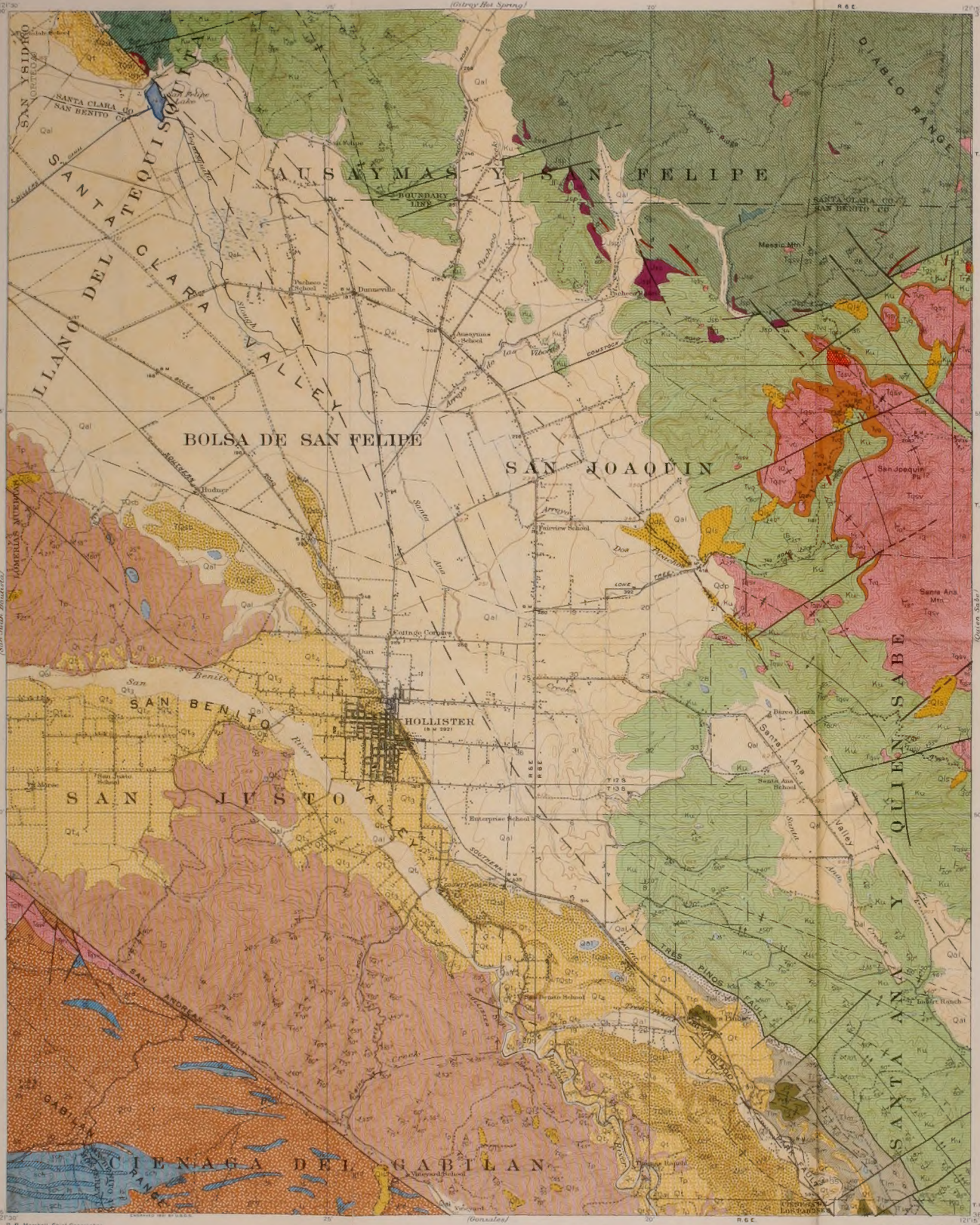
BULLETIN 143, PLATE 1



MAP LEGEND

QUATERNARY — Pleistocene and Recent

- Qls — Landslides
- Qal — Alluvium
- Qt — Terraces undifferentiated (slopes: Q_{t_1} to Q_{t_4})
- Qdp — Dos Picachos gravels (coarse cemented gravels)
- Qb — Olivine basalt

Plio-Pleistocene

- TQSB — San Benito gravels (gravels, sands, silts and clays)

UNCONFORMITY

Pliocene

- Tp — Purisima formation (clays, silts, sandstones, gravels, thin lignites and carbonaceous shales. Chiefly continental, but in part marine)

TERTIARY — Miocene

EASTERN AREA

- Rhyolite plugs
- Tqsv — Quien Sabe volcanics (flows and agglomerates with plugs, dikes (d) and sandstone member (ss))
- Tvq — Vaqueros formation (fossiliferous sandstone, shale, limestone and rhyolitic ash)

SOUTHWESTERN AREA

- Ts — Sandstones, shales and conglomerates (Middle or Lower Miocene)

Eocene

- Ttp — Tres Pinos sandstone

DISCONFORMITY (?)

- Tlm — Los Muertos Creek shales
- Ti — Indart sandstone

UNCONFORMITY

Cretaceous — Upper

- Ku — Sandstones, shales and conglomerates

UNCONFORMITY

Lower

- Kl — Dark shale and thin sandstones

UNCONFORMITY

Late Jurassic — Franciscan group

- Jsp — Serpentine
- Jf — Franciscan undifferentiated (chiefly arkosic sandstone. Minor amounts of chert and basalt)

UNCONFORMITY

PRE-FRANCISCAN (PROBABLY PRE-CRETACEOUS) — Basement Complex

- Pzgr — Plutonic intrusives (chiefly granodiorite)
- Gabilan limestone (marble and dolomite)
- Sch — Quartz-mica schist and quartzite

SYMBOLS

- Geologic boundaries
- Alluvial and terrace boundaries
- Faults: Known position
- Faults: Approximate position
- Axis of anticline
- Axis of overturned anticline
- Axis of syncline
- Dip and strike: Accurately determined
- Dip and strike: Approximate direction
- Dip and strike: Vertical
- Dip and strike: Overturned

R. B. Marshall, Chief Geographer.
Geo. R. Davis, Geographer in charge.
Topography by J. P. Harrison, E. P. Davis, and C. P. McKinley.
Control by C. F. Urquhart and L. F. Biggs.
Surveyed in 1917-1919.
Culture revised 1939, U. S. Army C. E.
Edition 1940.
Polyconic projection, North American datum.

GEOLOGIC MAP OF THE HOLLISTER QUADRANGLE CALIFORNIA

By N. L. Taliaferro

Geology surveyed in 1945

Scale 1:62500

1 0 1 2 3 4 Miles

1 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.

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DEPARTMENT OF NATURAL RESOURCES

BULLETIN 143, PLATE 2

MAP LEGEND

QUATERNARY — *Pleistocene and Recent*

- Landslides
- Alluvium
- Terraces undifferentiated (stages: Qt_1 to Qt_4)
- Dos Picachos gravels (coarse cemented gravels)
- Olivine basalt

Plio-Pleistocene

- San Benito gravels (gravels, sands, silts and clays)

UNCONFORMITY

Pliocene

- Purisima formation (clays, silts, sandstones, gravels; thin lignites and carbonaceous shales. Chiefly continental, but in part marine)

TERTIARY

EASTERN AREA	SOUTHWESTERN AREA
	Sandstones, shales and conglomerates (Middle or Lower Miocene)

Miocene

- Rhyolite plugs
- Quien Sabe volcanics (flows and agglomerates with plugs, dikes (d) and sandstone member (ss))
- Vaqueros formation (fossiliferous sandstone, shale, limestone and rhyolitic ash)

Eocene

- Tres Pinos sandstone

DISCONFORMITY (?)

- Los Muertos Creek shales
- Indart sandstone

UNCONFORMITY

Cretaceous — Upper

- Sandstones, shales and conglomerates

UNCONFORMITY

Cretaceous — Lower

- Dark shale and thin sandstones

UNCONFORMITY

Late Jurassic — *Franciscan group*

- Serpentine
- Franciscan undifferentiated (chiefly arkosic sandstone. Minor amounts of chert and basalt)

UNCONFORMITY

PRE-FRANCISCAN PROBABLY PRECAMBRIAN — *Basement Complex*

- Plutonic intrusives (chiefly granodiorite)
- Gabilan limestone (marble and dolomite)
- Quartz-mica schist and quartzite

SYMBOLS

- Geologic boundaries
- Alluvial and terrace boundaries
- Faults: Known position
- Faults: Approximate position
- Axis of anticline
- Axis of overturned anticline
- Axis of syncline
- Dip and strike: Accurately determined
- Dip and strike: Approximate direction
- Dip and strike: Vertical
- Dip and strike: Overturned
- Mine or Quarry
- Prospect
- Dry hole

ECONOMIC MINERAL MAP OF HOLLISTER QUADRANGLE SHOWING POSITION OF STRUCTURE SECTIONS

By N. L. Taliaferro

R. B. Marshall, Chief Geographer,
Geo. R. Davis, Geographer in charge.
Topography by J. P. Harrison, E. F. Davis, and C. P. McKinley.
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